

Attorney's Docket No. 3477-116

**PATENT**  
**RESPONSE UNDER 37 C.F.R. 1.116 - EXPEDITED**  
**PROCEDURE - EXAMINING GROUP 3738**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Pugh et al. Group Art Unit: 3738  
Appl. No.: 09/029,872 Examiner: P. Prebilic  
Filed: June 29, 1998  
For: ARTIFICIAL STABILIZED COMPOSITION OF CALCIUM PHOSPHATE  
PHASES PARTICULARLY ADAPTED FOR SUPPORTING BONE CELL ACTIVITY

Assistant Commissioner for Patents  
Washington, DC 20231

May 9 2001  
**RECEIVED**  
JUN 04 2001  
TECHNOLOGY CENTER R3700

**AMENDMENT AFTER FINAL**

Sir:

This is in response to the final Office Action mailed March 29, 2001 and the personal Interview conducted with the Examiner on April 24, 2001. Please amend the above-referenced application as follows:

In the Claims:

1. (Twice amended) A bioactive artificial sintered composition for consistently supporting bone cell activity, said composition comprising substantially uniformly stabilized calcium phosphate having stabilizing entities distributed substantially uniformly throughout, wherein said uniformly stabilized tricalcium phosphate is insoluble in physiological fluids.

5. (Twice amended) A composition as claimed in claim 3, wherein said stabilizing entities are selected from the group consisting of silicon entities, aluminum entities, zirconium entities, barium entities, titanium entities, germanium entities, chromium entities, vanadium entities, niobium entities, boron entities and mixtures thereof.

6. (Amended) A composition as claimed in claim 5, wherein said stabilizing entities are provided in solution.

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